IN THE CLAIMS

Please amend claims as follows:

1-19. (Cancelled)

20. (New) An image processing apparatus, comprising:

an image reading unit to read an image;

an image size adjusting unit to adjust the size of the image read by the image reading unit if the size of the read image is not an integral multiple of a predetermined tile size and, when divided into tiles, an odd image portion remains;

a compressing unit to divide the image output from the size adjusting unit into one or more tiles and to compress the image by the tiles to generate code data;

a codestream generating unit to combine the code data generated by the compressed unit to generate a codestream; and

an attaching unit to attach information indicating the size of the image before its size is adjusted, in a marker segment included in the codestream formed by the codestream generation unit.

21. (New) The image processing apparatus as claimed in claim 20, wherein if the size of the read image is not an integral multiple of a predetermined tile size and, when divided into tiles, an odd image portion remains, the image size adjusting unit adjusts the size of the image read by the image reading unit by adding pixels of a predetermined pixel value to the remaining odd image portion.

22. (New) The image processing apparatus as claimed in claim 21, wherein the pixel value is zero or a value of the background of the image.

23. (New) An image processing apparatus, comprising:

a codestream de-compositing unit to receive a codestream including a marker segment in which information is attached that indicates the size of image prior to its size adjustment, and to de-composite the codestream into code data;

a decoding unit to decode the code data outputted by the codestream decoding unit into the image;

an image size inverse-adjusting unit to inverse-adjust the decoded image by the decoding unit based on the information indicating the size of the image prior to its size adjustment; and

an image writing unit to write the image after its size is inverse-adjusted by the image size inverse-adjusting unit.

24. (New) A method of processing an image, the method comprising:

reading an image;

adjusting the size of the read image if the size of the read image is not an integral multiple of a predetermined tile size and, when divided into tile, an odd image portion remains;

dividing the image, after its size is adjusted, into one or more tiles, and compressing the image by the tiles to generate code data;

combining the generated code data to generate a codestream; and

attaching information indicating the size of the image prior to its size being adjusted, in a marker segment included in the generated codestream.

25. (New) A method of processing an image, the method comprising:

receiving a codestream including an attached marker segment containing information indicating the size of image before the size thereof is adjusted, and de-compositing the codestream into code data;

decoding the code data into the image;

inverse-adjusting the decoded image based on the information indicating the size of the image prior to its size being adjusted; and

writing the image having inverse-adjusted size.